

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91260</u> DATE: BEGIN <u>7-27-91</u> PAGE <u>1 11</u>				
			JOB NO. <u>14G 494</u> COMPLETE <u>7-27-91</u> Thin Walled Tube				
			PROJECT <u>G.I.W.W</u> ☒ 5" ☐ 6"				
			LOCATION <u>SARGENT BEACH</u>				
			ELEVATION OF HOLE _____				
			MANUFACTURER'S DESIGNATION OF DRILL RIG <u>ARPCO BUGGY</u>				
			GROUNDWATER: DEPTH <u>1 1/2</u> ft., ELEV. _____ ft., at end of Drilling				
			WEATHER <u>PARTLY CLOUDY</u>				
			DRILLER <u>Robert T. Lundy</u> LOGGER <u>John A. Hunter</u>				
			COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	0.5	BROWN	CLAY	MEDIUM STIFF	SAND	- 1 SAND LAYER #5 SHELL
	2	1.0	GRAY	CLAY	STIFF		BROWN - 1 SILT LAYER 2-4
5	3	1.0	GRAY	CLAY	STIFF		
	4	0.75	GRAY	CLAY	MEDIUM STIFF		
JAR	5	0	GRAY	CLAY	VERY SOFT		
10	6	0.2	GRAY	CLAY	SOFT		
	7	1.25	BROWN	CLAY	STIFF		* GRAY
15	8	0.5	GRAY	CLAY	MEDIUM STIFF		* BROWN + TAN 14'-16'
	9	0.5	GRAY	CLAY	MEDIUM STIFF		
20	10	0.75	GRAY	CLAY	MEDIUM STIFF		* TAN BELOW 20'-26'
	11	2.0	GRAY	CLAY	VERY STIFF		
	12	2.25	GRAY	CLAY	VERY STIFF		
25	13	3.5	GRAY				BOTTOM 91260
30							
35							

Project : Gulf Intracoastal Waterway near Sargeant Beach, Texas
 Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-260

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2			Brown, Shell & shell fragments, Loose, Clayey, w/ gravel & roots <i>CLAYEY GRAVELS</i>	GC	17.8					73.4*	59*	49.5*		38.8		
2	2-4	1.00		Gray, Clay, Stiff, w/Sand pockets	CH	29.5											
3	4-6	1.00		Gray, Clay, Stiff, w/Sand pockets	CH	30.9										0.35	
4	6-8	0.75		Gray, Clay, Medium stiff	CH	36.6										0.30	
5	8-10	0.25		Gray, Clay, Soft	CH	46.5										0.10	
6	10-12	0.25		Brown & gray, Clay, Soft	CH	51.8	70.9	107.6	52	21	100.0	100.0	100.0		100.0	0.10	0.11
7	12-14	1.00		Brown, Clay, Stiff, w/Ferrous stains	CH	34.5										0.35	
8	14-16	0.50		Gray & brown, Clay, Medium stiff <i>soft</i>	CH	55.1	65.7	101.9	85	29	100.0	100.0	100.0		100.0	0.30	0.19
9	16-18	0.50		Gray, Clay, Medium stiff <i>soft</i>	CH	41.0										0.25	
10	18-20	1.00		Gray, Clay, Stiff	CH	33.9										0.40	
11	20-22	2.25		Olive gray, Clay, Very stiff, w/Ferrous stains	CH	30.3											
12	22-24	2.25		Gray & olive brown, Clay, Very stiff, w/Ferrous stains & calcareous nodules	CH	30.6	92.6	120.9	72	27	99.7	99.4	99.3		92.7		1.43
13	24-26	2.25		Gray & Olive yellow, Clay, Very stiff, w/Calcareous nodules	CH	28.9											

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content

q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

* : Material retained are shell, shell fragments and gravel